| Index of Claims |          |          |   |   |          |           |                             |          | Application/Control No. |           |          |          |      |         |            |  |           |              | Ap<br>Re           | Applicant(s)/Patent under Reexamination |           |     |              |            |                   |          |          |           |         |         |         |          |   |
|-----------------|----------|----------|---|---|----------|-----------|-----------------------------|----------|-------------------------|-----------|----------|----------|------|---------|------------|--|-----------|--------------|--------------------|---|-----------|-----|--------------|------------|-------------------|----------|----------|-----------|---------|---------|---------|----------|---|
|                 |          |          |   |   |          |           |                             |          |                         |           | ]        |          |      |         |            | 10/  | 82        | 5.6          | 889                | )                                       |           |     |              |            |                   | w        | ΆΝ       | ١G        | ET      | AL      |         |          |   |
|                 |          |          |   | Ш |          |           |                             |          |                         |           |          |          |      |         |            |  | ami       |              |                    |   |           |     |              |            |                   |          |          | Init      |         |         | П       |          |   |
|                 |          |          |   |   |          |           |                             | Н        |                         |           |          |          |      |         | ı          |  |           |              |                    |   |           |     |              |            |                   |          |          |           |         |         |         |          |   |
|                 | 1 (4418  |          |   |   |          |           | 1118 611                    |          |                         |           |          |          |      |         |            | Ma   | rie       | R.           | Y:                 | am                                      | nit       | zky |              |            |                   | 17       | 774      |           |         |         |         |          |   |
| √ Rejected -    |          |          |   |   | -        | (1        | (Through numer<br>Cancelled |          |                         |           |          | ral)     | N    | ,       | Non-Electe |  |           | ted          |                    | A                                       | Appeal    |     |              |            |                   |          |          |           |         |         |         |          |   |
| = Allowed       |          |          |   |   | ÷        | Restricte |                             |          | ted                     |           |          | I        | Inte |         | terference |  |           | 0            | Objected           |   |           |     |              |            |                   |          |          |           |         |         |         |          |   |
| Claim Date      |          |          |   |   | 7        | Claim     |                             |          |                         |           | Date     |          |      |         |            |  | laim      | Date         |                    |   |           |     |              |            |                   | 1        |          |           |         |         |         |          |   |
|                 | -E       |          |   |   |          |           |                             | T        | Т                       |           |          | _        |      |         |            |  | Т         | Τ            |                    | T                                       | Τ         | 7   |              | -          |                   |          |          | П         |         |         | Т       | T        | 1 |
| Final           | ging     | 8/4/06   |   |   |          | i         |                             |          |                         | 1         | Final    | ق ا      |      | 8/4/06  |            |  | 1         |              |                    |   |           |     | Final        | l iĝ       | Ιİ                | -        |          |           |         | 1       |         |          |   |
| ίĒ              | Original | 8/       |   |   |          |           |                             |          | - 1                     |           | 证        | Original |      | 8       | ŀ          |  |           |              |                    |   |           |     | i I          | Original   |                   | - 1      |          | -         |         |         |         |          |   |
|                 | 1        | 7        |   | H | H        | ┞┈        | $\vdash$                    | +        | -                       |           | -        | 5        | +    | N       |            | ╌  | - -       | +-           | +                  | +                                       | ╀         | -   |              | 101        | Н                 | $\dashv$ | +        | -         |         | +       | +       | +        | 4 |
|                 | 2        | V        |   | - | $\vdash$ | $\vdash$  | +                           | +        | -+                      | $\dashv$  | _        | 52       |      | +       | +          | +  | ╁╴        | +            | ┿                  | +                                       | +         | ┨   |              | 102        | Н                 | -        | 十        | -         | +       | +       | +-      | +        | 1 |
|                 | 3        | Ì        |   | _ | ┢        | $\vdash$  |                             | 7        | _                       | $\dashv$  |          | 53       |      | ╅       | $\top$     | ╅  | $\dagger$ | T            | +                  | <del> </del>                            | $\dagger$ | 1   |              | 103        | H                 | 十        | _        | 7         | +       | +       | 1-      | +-       | 1 |
|                 | 4        | 1        |   |   |          | $\vdash$  |                             | 7        |                         |           |          | 54       | 1    | 1       | T          | 1  | $\top$    | T            | 1                  | $\top$                                  | T         | 7   |              | 104        | П                 | 寸        | 寸        | $\exists$ | _       | T       | 1       | 1        | 1 |
|                 | 5        | 1        |   |   |          |           |                             |          |                         |           |          | 55       |      |         |            |  |           |              |                    |   |           | ]   |              | 105        |                   | $\Box$   |          |           |         |         |         |          | ] |
|                 | 6        | 7        |   |   |          |           |                             |          |                         |           |          | 56       |      |         | $\perp$    | $\perp$  |           | L            | $oldsymbol{\perp}$ |   |           | ]   |              | 106        |                   |          |          |           |         |         |         |          | ] |
|                 | 7        | 1        |   |   |          |           | Ш.                          | 4        | 4                       | _         |          | 57       |      | 4       | _          | _  | 1         | $\downarrow$ | 4                  | <u> </u>                                | ╄         | _   |              | 107        |                   |          | $\perp$  | 4         | _       | 4       | 4_      | $\perp$  | 1 |
|                 | 8        | 1        |   | _ | _        | _         | $\vdash$                    | -        | 4                       | _         | _        | 58       |      | +       | +          | 4  | - -       | ╄-           | 4-                 | +                                       | ╄         | 4   |              | 108        | $\vdash$          | 4        | 4        | _         | _       | 4-      | 4-      | +        | 4 |
|                 | 9        | 1        |   |   | ┝-       |           | -                           | 4        | -                       | -         | -        | 59       |      | +       | +          | +  | +         | +-           | +-                 | ╄                                       | ╄         | -   | <u> </u>     | 109<br>110 | $\vdash$          | $\dashv$ | -+       | +         | +       | +-      | 4-      | +        | 4 |
|                 |          | N        |   | _ | ┢        | $\vdash$  | $\vdash$                    | +        | $\dashv$                | -         | -        | 6.       |      | +       | +          | +  | +         | ╁            | ╁                  | +                                       | +         | ┥   |              | 111        | -                 | -+       | +        | +         |         | +       | ╁       | ╁        | 1 |
|                 | 12       | 7        | _ | _ | -        | -         | -                           | +        | $\dashv$                | $\dashv$  |          | 62       |      | +       | +          | +  | +         | +            | +                  | +                                       | +         | ┪   | <b>-</b>     | 112        | $\vdash$          | +        | +        | -         | -       | ╁       | ╁       | ╁        | 1 |
|                 | 13       | V        |   |   | $\vdash$ |           |                             | $\dashv$ | $\dashv$                | ┨.        |          | 63       |      | +       | +          | +  | +-        | +            | +                  | ╁╌                                      | ╁         | -   | <del> </del> | 113        | $\vdash$          | $\dashv$ | +        | 十         | +       | ╁       | ╁╴      | +        | 1 |
|                 | 14       | N        |   |   |          |           | -                           | 7        | 1                       | $\exists$ |          | 64       |      | 十       | _          | +  | $\top$    | T            | $\top$             | 1                                       | T         |     |              | 114        | $\dagger \exists$ | 十        | $\dashv$ | 十         | 1       | $\top$  | 1       | 1        | 1 |
|                 | 15       | N        |   |   |          |           |                             |          |                         |           |          | 65       | 5    | $\neg$  | $\neg$     | 1  |           |              | T                  | 1                                       | T         | ٦   |              | 115        | П                 | 1        | $\dashv$ | 寸         | 1       | 1       | 1       | 1        | 1 |
|                 | 16       | 1        |   |   |          |           |                             | ╛        |                         |           |          | 66       | 5    |         |            |  |           |              | T                  |   | Ι         | ]   |              | 116        |                   |          |          |           |         |         |         |          | ] |
|                 | 17       | 1        |   |   |          |           |                             |          |                         |           |          | 67       |      |         | $\perp$    | $oldsymbol{ol}}}}}}}}}}}}}}$ |           |              | Ι                  |   | I         |     |              | 117        |                   |          |          |           |         |         |         |          | ] |
|                 | 18       | 7        |   |   |          |           |                             | $\bot$   | [                       | _         |          | 68       |      |         |            | Ţ  | L         | L            | L                  | L                                       | L         | _   |              | 118        |                   |          |          | $\Box$    |         | T       |         |          | ] |
|                 | 19       | 1        |   |   | Щ        | Щ         | $\vdash$                    | 4        | _                       | _         |          | 69       |      | _       | 4          |  | _         | 1            | 4                  | _                                       | $\perp$   | 4   |              | 119        | $\sqcup$          | $\dashv$ | $\dashv$ | $\perp$   | $\perp$ | $\perp$ | 1       | <u> </u> | 1 |
|                 | 20       | 7        |   |   | <u> </u> | _         |                             | 4        | 4                       | 4         | $\vdash$ | 70       |      | $\perp$ | $\perp$    | 4  | +         | -            | +                  | ╀                                       | +         | 4   |              | 120        | -                 | $\perp$  | +        | 4         | $\perp$ | $\perp$ | $\perp$ | 1        | 4 |
|                 | 21       | <b>√</b> | _ | _ | _        | <u> </u>  | $\vdash$                    | 4        |                         | $\dashv$  | <u> </u> | 7'       |      | +       | +          | +  | +-        | ╀            | +-                 | +                                       | ╀         | -   | <u> </u>     | 121        | $\vdash$          | -        | -        | +         | - -     |         | -       | -        | 4 |
|                 | 22       | N        |   | _ | _        | L_        | $\vdash$                    | 4        |                         |           | <u></u>  | 72       |      |         |            |  |           | ┺            |                    |   |           | 1   |              | 122        |                   |          | L        |           |         |         |         | 1        | 1 |

| 22 | N |        |        | П      | П      | $\neg \vdash$ |             | 1 [ |   | 72  | $\neg$ |        |        |          |                   |        |   | 122 | 1      | $\top$   | П      |        |          |          | $\neg$    |  |
|----|---|--------|--------|--------|--------|---------------|-------------|-----|---|-----|--------|--------|--------|----------|-------------------|--------|---|-----|--------|----------|--------|--------|----------|----------|-----------|--|
| 23 | N |        |        | T      |        |               | 1-          |     | T | 73  | $\top$ |        |        | П        | $\Box$            | _      |   | 123 | $\top$ | T-       |        |        |          |          |           |  |
| 24 | 1 | П      |        |        |        |               |             | 1   |   | 74  | T      | П      |        |          | $\top$            | 1      |   | 124 | $\top$ | $\top$   |        |        |          | $\Box$   |           |  |
| 25 | 1 | П      |        | П      | $\neg$ | $\neg$        |             |     |   | 75  | 1      | П      | $\neg$ | П        | $\Box$            | _      |   | 125 |        |          |        | $\neg$ |          | $\Box$   | $\neg$    |  |
| 26 | V |        |        | $\Box$ | T      | $\neg$        |             | 1   |   | 76  |        |        |        |          | $\neg \neg \neg$  | _      |   | 126 |        | 1        | П      |        |          | $\top$   |           |  |
| 27 | 1 | П      |        | 1      |        |               | 1           | 1   |   | 77  |        | П      |        | П        |                   | 7      |   | 127 | 1      | T        | $\Box$ | _      | ╅        | $\Box$   | $\neg$    |  |
| 28 | 1 |        |        | $\Box$ |        |               | T           | 1   |   | 78  |        |        |        |          |                   | _      |   | 128 | 1      | T        | $\Box$ | $\neg$ | $\neg$   | $\Box$   | $\neg$    |  |
| 29 | 1 | П      | T      |        |        |               |             |     |   | 79  | 1      |        |        |          | $\dashv$          |        |   | 129 | $\top$ | $\top$   | П      | $\neg$ | 1        | $\Box$   | $\dashv$  |  |
| 30 | 1 | П      |        | $\Box$ |        |               | $\top$      | 1   |   | 80  | 1      |        | 1      | $\Box$   | $\dashv$          |        |   | 130 | ╅      | T        | П      |        |          | $\Box$   | _         |  |
| 31 | 1 |        |        |        |        |               | 1           | 1   |   | 81  | 1      |        |        |          | $\dashv \dashv$   | 7      |   | 131 |        |          | П      | 7      |          | $\vdash$ | $\neg$    |  |
| 32 | N | П      |        | $\Box$ | 7      | $\top$        |             |     |   | 82  | 1      |        | $\neg$ |          | $\dashv \dashv$   |        |   | 132 | ╅      | 1        | Ħ      | 寸      | _        | $\Box$   | _         |  |
| 33 |   | $\Box$ |        |        |        |               |             |     |   | 83  | 1      |        | _ _    | $\sqcap$ | $\dashv \dashv$   |        |   | 133 | ╅      | 1        | П      | 一      | $\top$   | $\Box$   | $\neg$    |  |
| 34 | N |        | $\top$ |        | T      |               |             |     |   | 84  | 1      | $\Box$ | $\neg$ | 11       | $\dashv \dashv$   | $\neg$ |   | 134 | 1-     | $\top$   |        |        | $\top$   | 1 1      | $\exists$ |  |
| 35 | N |        |        |        | $\neg$ |               | T           |     |   | 85  | 1      |        | $\top$ | $\Box$   |                   | _      |   | 135 | _      | $\vdash$ | Ш      | $\neg$ | 十        | 17       |           |  |
| 36 | N |        | 7      |        |        |               | т           |     |   | 86  | 1      |        |        |          | $\top$            | $\neg$ |   | 136 | $\top$ | 1-       | П      | _      | $\dashv$ | 1        |           |  |
| 37 | N |        | 7      | П      |        |               |             |     |   | 87  | $\top$ | $\Box$ | $\neg$ | $\Box$   | $\Box$            |        |   | 137 | _      | 1        | П      | $\neg$ | $\top$   | 11       |           |  |
| 38 | N |        | 1      | $\Box$ |        | $\neg$        |             |     |   | 88  |        | П      | $\top$ |          | 11                | $\neg$ |   | 138 |        |          | П      | _      | _        | $\top$   |           |  |
| 39 | N |        |        | П      |        | $\neg$        |             |     |   | 89  | $\top$ | П      | 1      |          | $\neg \neg$       |        |   | 139 | 1-     |          |        |        |          | $\Box$   |           |  |
| 40 | N |        |        |        |        |               | 1 -         |     |   | 90  | $\top$ | П      | $\top$ |          | 17                |        | · | 140 |        |          | П      | T      | $\top$   | $\Box$   | $\neg$    |  |
| 41 | И |        |        |        |        |               |             |     |   | 91  | T      | $\Box$ |        | П        | $\top$            |        |   | 141 |        |          |        | $\neg$ |          | 1        |           |  |
| 42 | N |        |        | П      |        |               |             |     |   | 92  |        |        |        |          | 17                |        |   | 142 | $\top$ | $\Box$   |        |        |          | $\Box$   |           |  |
| 43 | N |        |        |        |        |               |             |     |   | 93  |        | П      | $\top$ | П        | $\top$            |        |   | 143 | T      |          |        |        |          |          |           |  |
| 44 | N |        |        |        | $\neg$ |               | $\Box$      |     |   | 94  |        |        | 1      | П        |                   |        |   | 144 | 1      |          | $\Box$ | $\neg$ | $\top$   | $\Box$   |           |  |
| 45 | N |        |        |        |        | $\top$        |             |     |   | 95  |        | П      |        | П        | $\Box$            | $\neg$ |   | 145 |        |          |        |        |          | Ħ        |           |  |
| 46 | N |        |        |        |        |               |             |     |   | 96  |        |        | $\neg$ | $\Box$   |                   | 7      |   | 146 | 1      |          |        | $\neg$ |          | T        |           |  |
| 47 | N |        |        |        |        |               |             |     |   | 97  | 1      |        |        |          | $\exists \exists$ | 7      |   | 147 | 1      | $\Box$   | $\neg$ |        | $\top$   |          |           |  |
| 48 | N |        |        |        |        |               | П           |     |   | 98  | Т      |        | $\top$ |          |                   | $\neg$ |   | 148 | 1      | П        |        | $\neg$ | $\top$   |          |           |  |
| 49 | N |        |        |        |        |               |             |     | T | 99  | 7      |        | 7      | П        |                   | $\neg$ |   | 149 | $\top$ |          |        | $\neg$ |          | $\sqcap$ |           |  |
| 50 | N | T      |        | $\Box$ |        |               | $\top \Box$ |     |   | 100 | T      |        |        |          | $\top$            | $\neg$ |   | 150 | 1      |          | $\Box$ | $\neg$ | $\neg$   |          |           |  |